

CLAIM AMENDMENTS

Claims 1-23, 25-44, and 46-47 were pending at the time of the Action.

Claims 32-35 are amended in this Response.

Accordingly, claims 1-23, 25-43, and 46-47 remain pending.

The listing of claims below will replace prior versions of claims in the application:

1. (Previously Amended) A method comprising:
 - receiving a first broadcast data stream encoded using a first encoding format;
 - receiving a second broadcast data stream encoded using a second encoding format;
 - demultiplexing the first broadcast data stream while maintaining the first encoding format of the first broadcast data stream;
 - demultiplexing the second broadcast data stream while maintaining the second encoding format of the second broadcast data stream;
 - storing the first broadcast data stream on a storage device in the first encoding format;
 - storing the second broadcast data stream on the storage device in the second encoding format; and
 - time shifting the broadcast data stream.

1 2. (Previously Amended) A method as recited in claim 1 wherein the first
2 broadcast data stream is a digital data stream.

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4 3. (Previously Amended) A method as recited in claim 1 wherein the first
5 broadcast data stream may utilize any data format.

6
7 4. (Previously Amended) A method as recited in claim 1 wherein storing
8 the first broadcast data stream on a storage device includes writing the first
9 broadcast data stream to an application programming interface.

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11 5. (Previously Amended) A method as recited in claim 1 further
12 comprising retrieving the first broadcast data stream from the storage device.

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14 6. (Previously Amended) A method as recited in claim 1 further
15 comprising multiple systems retrieving the first broadcast data stream
16 simultaneously.

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18 7. (Previously Amended) A method as recited in claim 1 further
19 comprising retrieving different portions of the first broadcast data stream
20 simultaneously.

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22 8. (Previously Amended) A method as recited in claim 1 wherein the first
23 broadcast stream is stored on the storage device using a plurality of temporary
24 files.

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1 9. (Previously Amended) A method as recited in claim 1 wherein the first
2 broadcast stream is stored on the storage device using a single temporary file.

3
4 10. (Previously Amended) A method as recited in claim 1 wherein the first
5 broadcast stream is stored on the storage device using at least one permanent file.

6
7 11. (Original) One or more computer-readable memories containing a
8 computer program that is executable by a processor to perform the method recited
9 in claim 1.

10
11 12. (Previously Amended) A method comprising:
12 receiving a first digital data stream encoded using a first encoding format;
13 receiving a second digital stream encoded using a second encoding format;
14 separating components of the first digital data stream;
15 storing the components of the first digital data stream on a storage device,
16 wherein the components are stored in the first encoding format;
17 receiving a command to play back the first digital data stream;
18 retrieving at least one of the stored components of the first digital data
19 stream from the storage device;
20 decoding the retrieved component; and
21 rendering the components of the first digital data stream in a manner that
22 corresponds to the received play back command.

1 13. (Previously Amended) A method as recited in claim 12 further
2 comprising:

3 receiving a command to pause play back of the first digital data stream; and
4 halting rendering of the components of the first digital data stream in
5 response to the pause command.

6
7 14. (Original) A method as recited in claim 12 wherein the play back
8 command is a play command.

9
10 15. (Original) A method as recited in claim 12 wherein the play back
11 command is a rewind command.

12
13 16. (Original) A method as recited in claim 12 wherein the play back
14 command is a fast forward command.

15
16 17. (Original) A method as recited in claim 12 wherein the play back
17 command is a seek command.

18
19 18. (Original) A method as recited in claim 12 wherein the play back
20 command is a slow motion play command.

21
22 19. (Original) A method as recited in claim 12 wherein the play back
23 command is a skip forward command.

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1 20. (Original) A method as recited in claim 12 wherein the play back
2 command is a skip backward command.

3
4 21. (Previously Amended) A method as recited in claim 12 wherein
5 storing the components of the first digital data stream on a storage device includes
6 writing the components of the first digital data stream to an application
7 programming interface.

8
9 22. (Original) A method as recited in claim 12 wherein the storage device
10 is a hard disk drive.

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12 23. (Previously Amended) A method as recited in claim 12 wherein the
13 storage device is a hard disk drive and components of the first digital data stream
14 are stored in at least one temporary file or at least one permanent file on the hard
15 disk drive.

16
17 24. Canceled.

18
19 25. (Previously Amended) A method as recited in claim 12 wherein the
20 first digital data stream may utilize any data format.

21
22 26. (Previously Amended) A method as recited in claim 12 wherein
23 multiple devices retrieve the stored components of the first digital data stream
24 simultaneously.

1 27. (Previously Amended) A method as recited in claim 12 wherein
2 retrieving the stored components of the first digital data stream includes:

3 a first device retrieving data associated with a first data stream stored on the
4 storage device; and

5 a second device simultaneously retrieving data associated with a second
6 data stream stored on the storage device.

7
8 28. (Previously Amended) A method as recited in claim 12 wherein
9 retrieving the stored components of the first digital data stream includes:

10 a first device retrieving data from a first location in the first digital data
11 stream; and

12 a second device simultaneously retrieving data from a second location in
13 the first digital data stream.

14
15 29. (Previously Amended) A method as recited in claim 12 wherein
16 separating components of the first digital data stream includes demultiplexing
17 video data and audio data from the first digital data stream.

18
19 30. (Previously Amended) A method as recited in claim 12 wherein
20 separating components of the first digital data stream includes demultiplexing
21 Internet Protocol data from the first digital data stream.

1 31. (Original) One or more computer-readable memories containing a
2 computer program that is executable by a processor to perform the method recited
3 in claim 12.

4
5 32. (Currently Amended) A method comprising:
6 receiving at least two broadcast data streams, one of the at least two
7 broadcast streams utilizing a first encoding format and another of the at least two
8 broadcast streams utilizing a second encoding format-a broadcast data stream;

9 separating components of one of the at least two broadcast streams-the
10 broadcast data stream;

11 storing the components of one of the at least two broadcast streams-the
12 broadcast data stream on a storage device;

13 retrieving the components of the stored one of the at least two broadcast
14 streams the broadcast data stream from the storage device;

15 decoding the retrieved components;

16 rendering the components of one of the at least two broadcast streams-the
17 broadcast data stream; and

18 receiving a request to pause rendering of one of the at least two broadcast
19 streams currently being rendered-the broadcast data stream, in response to the
20 pause request:

21 halting rendering of one of the at least two broadcast streams
22 currently being rendered-the broadcast data stream;

23 continuing to store the components of the halted one of the at least
24 two broadcast streams the broadcast data stream on the storage device.
25

1 33. (Currently Amended) A method as recited in claim 32 wherein one of
2 the at least two broadcast streams ~~the broadcast data stream~~ is a television
3 broadcast.

4
5 34. (Currently Amended) A method as recited in claim 32 wherein one of
6 the at least two broadcast streams ~~the broadcast data stream~~ is a digital data
7 stream.

8
9 35. (Currently Amended) A method as recited in claim 32 further
10 comprising:

11 receiving a request to resume rendering of the halted one of the at least two
12 broadcast streams ~~the broadcast data stream~~; and

13 rendering the halted one of the at least two broadcast streams ~~the broadcast~~
14 ~~data stream~~ based on the request to resume rendering of one of the at least two
15 broadcast streams ~~the broadcast data stream~~.

16
17 36. (Original) One or more computer-readable memories containing a
18 computer program that is executable by a processor to perform the method recited
19 in claim 32.

20
21 37. (Previously Amended) One or more computer-readable media having
22 stored thereon a computer program that, when executed by one or more
23 processors, causes the one or more processors to:

24 separate the components of a first broadcast data stream encoded using a
25 first encoding format;

1 separate the components of a second broadcast data stream encoded using a
2 second encoding format;

3 store the components of the first and second broadcast data streams on a
4 hard disk drive;

5 receive a request to play back the stored components of the first broadcast
6 data stream;

7 retrieve the stored components of the first broadcast data stream from the
8 hard disk drive;

9 decode the components of the first broadcast data stream; and

10 render the components of the first broadcast data stream.

11
12 38. (Previously Amended) One or more computer-readable media as
13 recited in claim 37 wherein the one or more processors render the components of
14 the first broadcast stream in a manner that corresponds to the received play back
15 request.

16
17 39. (Previously Amended) One or more computer-readable media as
18 recited in claim 37 wherein the one or more processors render the components of
19 the first broadcast stream and the second broadcast stream simultaneously.

20
21 40. (Previously Amended) One or more computer-readable media as
22 recited in claim 37 wherein the first broadcast data stream is a television
23 broadcast.

1 41. (Previously Amended) One or more computer-readable media as
2 recited in claim 37 wherein the separate components of the first broadcast data
3 stream are audio data and video data.

4
5 42. (Previously Amended) One or more computer-readable media as
6 recited in claim 37 wherein the separate components of the first broadcast data
7 stream include Internet Protocol data.

8
9 43. (Previously Amended) An apparatus comprising:
10 a capture module configured to capture a first data stream and a second data
11 stream, wherein the first data stream is represented by a first data format and the
12 second data stream is represented by a second data format, and wherein the first
13 data stream is encoded using a first encoding format and the second data stream is
14 encoded using a second encoding format;
15 a data storage module configured to store the captured data streams in their
16 encoded formats; and
17 a rendering module configured to decode the data streams and to render the
18 data streams from the data stored on the data storage module.

19
20 44-45. Canceled.

1 46. (Previously Amended) The apparatus of claim 43 wherein the capture
2 module is further configured to separate the components of the data streams and
3 the data storage module is further configured to store each of the separate
4 components of the data streams.

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6 47. (Original) The apparatus of claim 43 wherein the data storage module
7 includes at least one hard disk drive.
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